

# ▶ SE

MODELS SE 200 > SE 250 > SE 325

## User-friendly & intuitive CNC lathes.

The SE series combines the working capacity of the conventional lathe with the advantages of the CNC. The SE machines are easy to use, ideal for the realization of short series, prototyping or educational centers, thanks to Siemens or Fagor controls that allow programming in both ISO and conversational language.

The CNC lathes of the SE series are precise, robust, and are also characterized by their high cutting capacity thanks to the head with electronic speed variator and the high torque supplied by the gearbox with three speed ranges.



### STANDARD EQUIPMENT

- Siemens 808D Control
- Linear and solid Path Graphs
- Electronic handwheel for X and Z axes
- Headstock with electronic speed variator 3 ranges
- Reducing bush of main shaft and dead center
- Dead center for tailstock
- Manual quick-change toolpost
- Automatic guide lubrication system
- Refrigeration equipment
- Complete guarding enclosure
- Cast iron pedestals
- Precision Levellers
- Working light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

### OPTIONAL EXTRAS

- Control Fagor 8037T or Fagor 8055T
- Chucks with 3 and 4 jaws
- Rear chuck
- Hydraulic power chuck
- Hydraulic collect chuck
- Hydraulic tailstock
- Fixed Steady Rest
- Large capacity fixed steady rest
- Follow Rest
- Multifix quick-change toolpost
- 4 and 8 position automatic turret
- Live center
- Chip conveyor
- Electric transformer
- Higher pressure cooling system\*
- Electric panel refrigeration
- Anti-vibration kit
- Remote jog unit\*
- Tool Presetter

Note:

\* Not available with Fagor 8037 control.



		SE-200		SE-250		SE-325			
<b>Working capacity</b>									
Center distance	mm / in	750 / 30	1000 / 40	1000 / 40	1500 / 60	1000 / 40	1500 / 60	2000 / 80	3000 / 120
Bed width	mm / in	250 / 10		300 / 12		350 / 14			
Centre height	mm / in	200 / 8		250 / 10		325 / 13			
Ø max. swing over bed	mm / in	400 / 16		500 / 20		650 / 26			
Ø max. swing over carriage	mm / in	380 / 15		450 / 17 1/2		590 / 23			
Ø max. over cross slide	mm / in	235 / 9		300 / 11 3/4		440 / 22			
Cross slide travel	mm / in	160 / 6 1/4		245 / 9 1/2		300 / 11 3/4			
Longitudinal carriage travel	mm / in	600 / 23 1/2	840 / 33	930 / 36 1/2	1450 / 57	850 / 33	1450 / 53	1850 / 72 1/2	2850 / 112
<b>Headstock</b>									
Main motor power	kW	4		5.5		7.5			
Headstock main spindle bore Valid for all centre distances	mm / in	42 / 1 1/2		58 / 2 1/4	105 / 4	80 / 3	105 / 4	155 / 6	
Main spindle nose	ASA / CAM-LOCK	A2-5 / 5		A2-6 / 6	A2-8 / 8	A2-8 / 8		A2-11	
Main spindle nose taper	MT	4		6	5	5			
Speed ranges	Range I	r.p.m.	40 - 280	40 - 275	85 - 200	30 - 200	80 - 200	50 - 120	
	Range II	r.p.m.	280 - 815	275 - 760	200 - 465	200 - 550	200 - 465	120 - 290	
	Range III	r.p.m.	815 - 2300	760 - 2080	465 - 1250	550 - 1500	465 - 1250	290 - 800	
<b>X-axis, Z-axis</b>									
Working feeds Z	Siemens	m/min		0 - 7					
	Fagor	m/min		0 - 10					
Working feeds X	Siemens	m/min		0 - 8,5					
	Fagor	m/min		0 - 12					
Rapid traverse Z	Siemens	m/min		9					
	Fagor	m/min		12,5					
Rapid traverse X	Siemens	m/min		10					
	Fagor	m/min		15					
Z - Ball screw, Ø/pitch	mm			40/10					
X - Ball screw, Ø/pitch	mm			20/5					
<b>Tailstock</b>									
Tailstock barrel Ø	mm / in	58 / 2 1/4		68 / 2 1/2		95 / 3 3/4			
Tailstock barrel travel	mm / in	180 / 7		200 / 7 3/4		220 / 8 1/2			
Tailstock Morse taper	MT	4		4		5			
<b>Turret</b>									
Manual turret									
Tool shank	mm	25x25				32x32			
Ø Boring bar	mm	20				25			
<b>Dimensions and Weight</b>									
Length	mm	2250	2520	2810	3350	2810	3325	3940	4750
Width	mm	1170		1270		1380		1450	
Height	mm	1730		1890		1910		1875	
Weight	kg	1050	1300	1620	1780	1850	2200	2600	3200
<b>Options</b>									
Fixed steady rest Ø	mm	10 - 125		10 - 140		10 - 180			
Large capacity fixed steady rest Ø	mm	110 - 200		140 - 300		180 - 400			
Follow rest Ø	mm	10 - 80		10 - 90		10 - 140			
<b>Dimensions and weight with packaging</b>									
Length	mm	2450	2720	3010	3550	3010	3525	4140	4950
Width	mm	1270		1370		1480		1550	
Height	mm	1930		2090		2110		2075	
Weight	kg	1350	1600	1920	2080	2250	2600	3000	3600

Note: The data is merely informative and subject to change according to the needs of the company.